EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6359	shionogi.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 13:47
L2	37	L1 and asparagine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 13:47
L4	5	((YASUHIRO) near2 (TAKEGAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/16 13:48
L5	25	((SHINICHIRO) near2 (NISHIMURA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/16 13:48
S4	6359	shionogi.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 13:47
S5	336	S4 and (saccharide or sugar or asparagine or disaccharide or trisaccharide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 16:01

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


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 NEWS  1           Web Page for STN Seminar Schedule - N. America
 NEWS  2  JUL 02   LMEDLINE coverage updated
 NEWS  3  JUL 02   SCISEARCH enhanced with complete author names
 NEWS  4  JUL 02   CHEMCATS accession numbers revised
 NEWS  5  JUL 02   CA/CAplus enhanced with utility model patents from China
 NEWS  6  JUL 16   CAplus enhanced with French and German abstracts
 NEWS  7  JUL 18   CA/CAplus patent coverage enhanced
 NEWS  8  JUL 26   USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS  9  JUL 30   USGENE now available on STN
 NEWS 10  AUG 06   CAS REGISTRY enhanced with new experimental property tags
 NEWS 11  AUG 06   FSTA enhanced with new thesaurus edition
 NEWS 12  AUG 13   CA/CAplus enhanced with additional kind codes for granted
                   patents
 NEWS 13  AUG 20   CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS 14  AUG 27   Full-text patent databases enhanced with predefined
                   patent family display formats from INPADOCDB
 NEWS 15  AUG 27   USPATOLD now available on STN
 NEWS 16  AUG 28   CAS REGISTRY enhanced with additional experimental
                   spectral property data
 NEWS 17  SEP 07   STN AnaVist, Version 2.0, now available with Derwent
                   World Patents Index
 NEWS 18  SEP 13   FORIS renamed to SOFIS
 NEWS 19  SEP 13   INPADOCDB enhanced with monthly SDI frequency
 NEWS 20  SEP 17   CA/CAplus enhanced with printed CA page images from
                   1967-1998
 NEWS 21  SEP 17   CAplus coverage extended to include traditional medicine
                   patents
 NEWS 22  SEP 24   EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 23  OCT 02   CA/CAplus enhanced with pre-1907 records from Chemisches
                   Zentralblatt
 NEWS 24  OCT 19   BEILSTEIN updated with new compounds
 NEWS 25  NOV 15   Derwent Indian patent publication number format enhanced

 NEWS EXPRESS  19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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 NEWS IPC8     For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 10:21:39 ON 16 NOV 2007

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:21:43 ON 16 NOV 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 NOV 2007 HIGHEST RN 953991-83-8
DICTIONARY FILE UPDATES: 15 NOV 2007 HIGHEST RN 953991-83-8

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

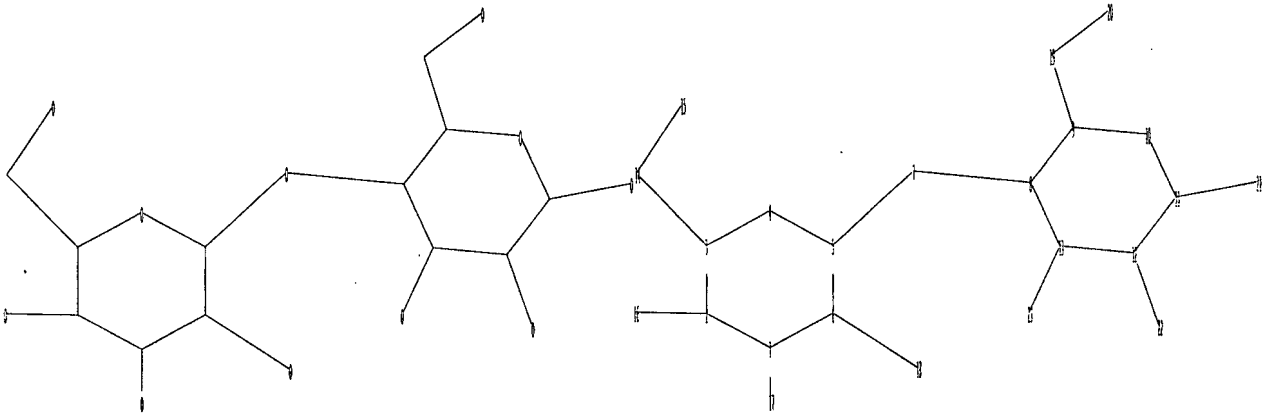
=> screen 1839

L7 SCREEN CREATED

=> screen 1840

L8 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\10584065\mannose disaccharide.str



chain nodes :
7 14 15 16 17 18 19 20 21 22 23
ring nodes :
1 2 3 4 5 6 8 9 10 11 12 13
chain bonds :
1-17 2-16 3-14 5-7 6-18 7-8 9-19 11-21 12-22 13-23 14-15 19-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
1-2 1-6 1-17 2-3 2-16 3-4 4-5 5-6 5-7 6-18 7-8 8-9 8-13 9-10 10-11
11-12 11-21 12-13 12-22 13-23 14-15 19-20
exact bonds :
3-14 9-19

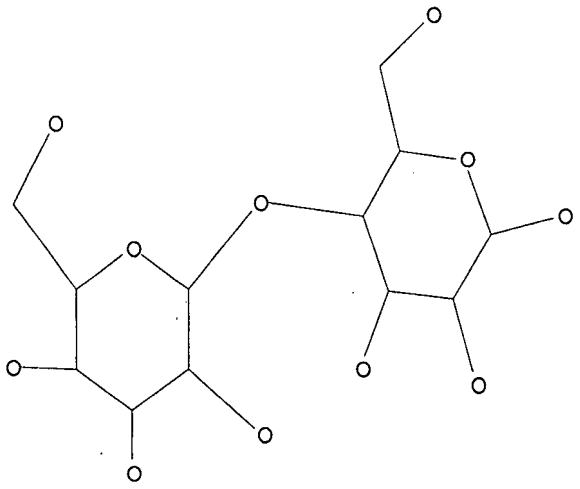
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L9 STRUCTURE UPLOADED

=> que L9 AND L7 NOT L8

L10 QUE L9 AND L7 NOT L8

=> d
L10 HAS NO ANSWERS
L7 SCR 1839
L8 SCR 1840
L9 STR



Structure attributes must be viewed using STN Express query preparation.
L10 QUE ABB=ON PLU=ON L9 AND L7 NOT L8

=> s l10
SAMPLE SEARCH INITIATED 10:22:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 307 TO ITERATE

100.0% PROCESSED 307 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5089 TO 7191
PROJECTED ANSWERS: 2671 TO 4249

L11 50 SEA SSS SAM L9 AND L7 NOT L8

=> s l10 full
FULL SEARCH INITIATED 10:22:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6047 TO ITERATE

100.0% PROCESSED 6047 ITERATIONS 3247 ANSWERS
SEARCH TIME: 00.00.01

L12 3247 SEA SSS FUL L9 AND L7 NOT L8

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1840

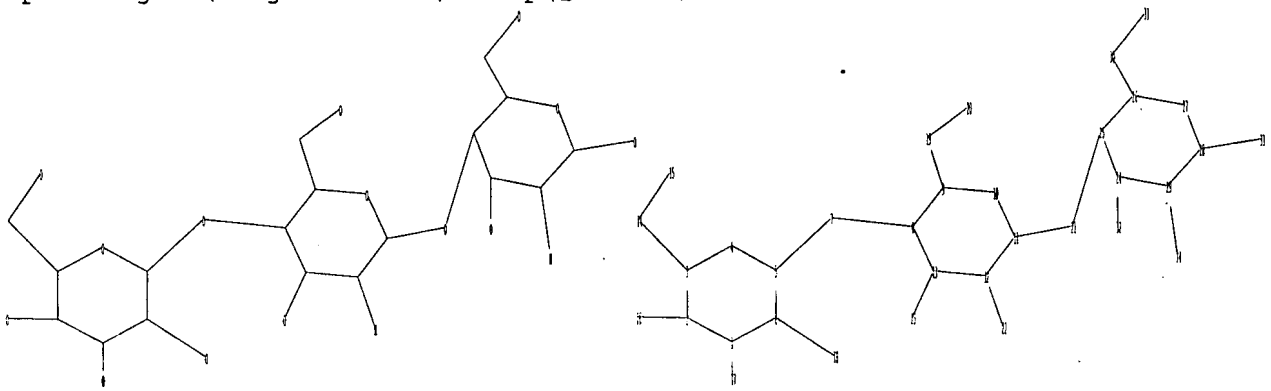
L13 SCREEN CREATED

=> screen 1841

L14 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10584065\trisaccharide 2.str



chain nodes :
7 14 15 16 17 18 19 20 21 22 23 30 31 32 33 34
ring nodes :
1 2 3 4 5 6 8 9 10 11 12 13 24 25 26 27 28 29
chain bonds :
1-17 2-16 3-14 5-7 6-18 7-8 9-19 11-21 12-22 13-23 14-15 19-20 21-25
24-32 26-30 28-33 29-34 30-31
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 24-29 24-25
25-26 26-27 27-28 28-29
exact/norm bonds :
1-2 1-6 1-17 2-3 2-16 3-4 4-5 5-6 5-7 6-18 7-8 8-9 8-13 9-10 10-11
11-12 11-21 12-13 12-22 13-23 14-15 19-20 21-25 24-29 24-25 24-32 25-26
26-27 27-28 28-29 28-33 29-34 30-31
exact bonds :
3-14 9-19 26-30

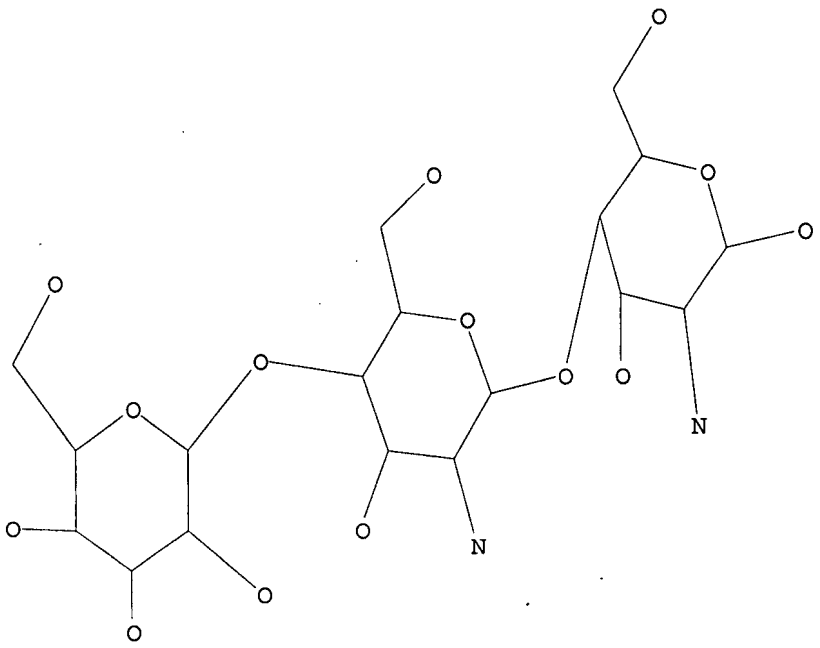
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:Atom 25:Atom 26:Atom
27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS

L15 STRUCTURE UPLOADED

=> que L15 AND L13 NOT L14

L16 QUE L15 AND L13 NOT L14

=> d
L16 HAS NO ANSWERS
L13 SCR 1840
L14 SCR 1841
L15 STR



Structure attributes must be viewed using STN Express query preparation.
L16 QUE ABB=ON PLU=ON L15 AND L13 NOT L14

=> s l16
SAMPLE SEARCH INITIATED 10:24:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 72 TO ITERATE

100.0% PROCESSED 72 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 931 TO 1949
PROJECTED ANSWERS: 3 TO 163

L17 3 SEA SSS SAM L15 AND L13 NOT L14

=> s l16 full
FULL SEARCH INITIATED 10:24:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1421 TO ITERATE

100.0% PROCESSED 1421 ITERATIONS 32 ANSWERS
SEARCH TIME: 00.00.01

L18 32 SEA SSS FUL L15 AND L13 NOT L14

=> d his

(FILE 'HOME' ENTERED AT 10:21:39 ON 16 NOV 2007)

FILE 'REGISTRY' ENTERED AT 10:21:43 ON 16 NOV 2007
L1 SCREEN 1840
L2 SCREEN 1841
L3 STRUCTURE UPLOADED
L4 QUE L3 AND L1 NOT L2

```
L5              0 S L4
L6              0 S L4 FULL
L7                SCREEN 1839
L8                SCREEN 1840
L9                STRUCTURE UPLOADED
L10               QUE L9 AND L7 NOT L8
L11              50 S L10
L12            3247 S L10 FULL
L13                SCREEN 1840
L14                SCREEN 1841
L15                STRUCTURE UPLOADED
L16                QUE L15 AND L13 NOT L14
L17               3 S L16
L18              32 S L16 FULL

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     517.20     517.41

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=> s l18 and l12
            44 L18
         50716 L12
L19          4 L18 AND L12

=> d l19 1-4 ibib abs hitstr

L19  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:735898  CAPLUS
DOCUMENT NUMBER:          136:53977
TITLE:                    Microbial Glycosyltransferases for Carbohydrate
                          Synthesis: α-2,3-Sialyltransferase from
                          Neisseria gonorrheae
AUTHOR(S):                Izumi, Masayuki; Shen, Gwo-Jenn; Wacowich-Sgarbi,
                          Shirley; Nakatani, Takuji; Plettenburg, Oliver; Wong,
                          Chi-Huey
CORPORATE SOURCE:         Department of Chemistry and the Skaggs Institute for
                          Chemical Biology, The Scripps Research Institute, La
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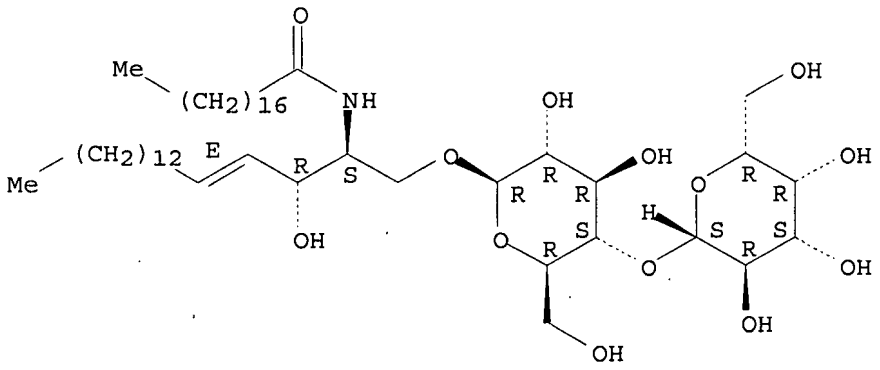
Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (2001), 123(44), 10909-10918
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:53977

AB The α-2,3-sialyltransferase from Neisseria gonorrheae was overproduced in E. coli for exploitation of its substrate specificity and synthetic utility. Several potential acceptor substrates were synthesized in this study, including mono- and oligosaccharides, glycolipids, and glycopeptides and their sulfate derivs. Some CMP-sialic acid derivs. with modification at the C-5 position were also prepared for evaluation as donor substrates. It was found that the enzyme exhibits a broader acceptor substrate specificity when compared to other sialyltransferases, though the donor specificity is quite limited. Application of the enzyme to the preparative synthesis of representative sialyl glycoconjugates has been demonstrated. On the basis of this work and the work of others, this enzyme is the most versatile and synthetically useful among all sialyltransferases known to date, especially for the synthesis of sulfate-containing glycoconjugates.

IT **125712-73-4P**
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of mono-, oligosaccharides, glycopeptides, glycolipids, and glycoconjugates as acceptor substrates for α-2,3-sialyltransferase from Neisseria gonorrhoeae)

RN 125712-73-4 CAPLUS
CN Octadecanamide, N-[(1S,2R,3E)-1-[[(4-O-β-D-galactopyranosyl-β-D-glucopyranosyl)oxy]methyl]-2-hydroxy-3-heptadecenyl]- (CA INDEX NAME)

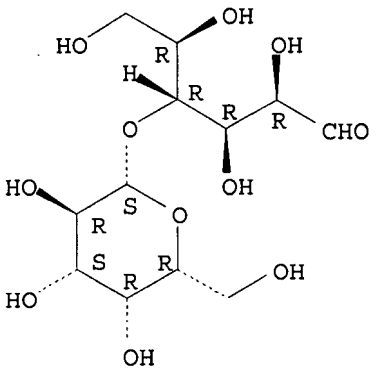
Absolute stereochemistry.
Double bond geometry as shown.



IT **63-42-3 52211-61-7 106256-81-9 122759-52-8 301844-03-1 381716-64-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of mono-, oligosaccharides, glycopeptides, glycolipids, and glycoconjugates as acceptor substrates for α-2,3-sialyltransferase from Neisseria gonorrhoeae)

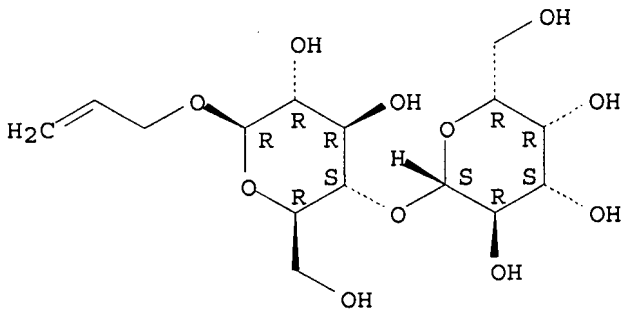
RN 63-42-3 CAPLUS
CN D-Glucose, 4-O-β-D-galactopyranosyl- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



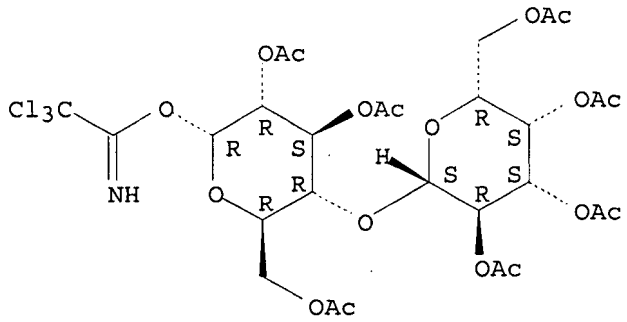
RN 52211-61-7 CAPLUS
CN β-D-Glucopyranoside, 2-propen-1-yl 4-O-β-D-galactopyranosyl- (CA INDEX NAME)

Absolute stereochemistry.



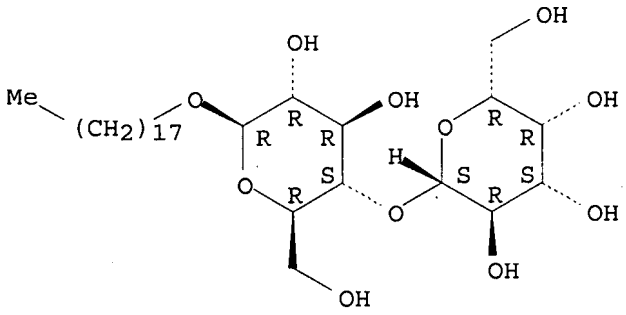
RN 106256-81-9 CAPLUS
CN α-D-Glucopyranose, 4-O-(2,3,4,6-tetra-O-acetyl-β-D-galactopyranosyl)-, 2,3,6-triacetate 1-(2,2,2-trichloroethanimidate) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



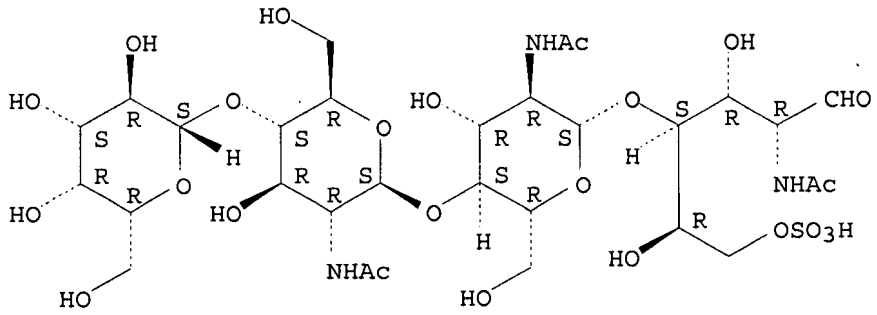
RN 122759-52-8 CAPLUS
CN β-D-Glucopyranoside, octadecyl 4-O-β-D-galactopyranosyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



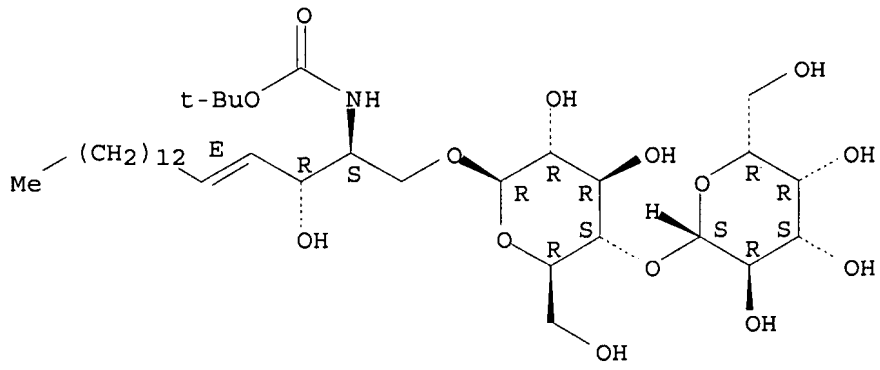
RN 301844-03-1 CAPLUS
CN D-Glucose, O-β-D-galactopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy-, 6-(hydrogen sulfate) (CA INDEX NAME)

Absolute stereochemistry.



RN 381716-64-9 CAPLUS
CN Carbamic acid, [(1S,2R,3E)-1-[[(4-O-β-D-galactopyranosyl-β-D-glucopyranosyl)oxy]methyl]-2-hydroxy-3-heptadecenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 80 THERE ARE 80 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

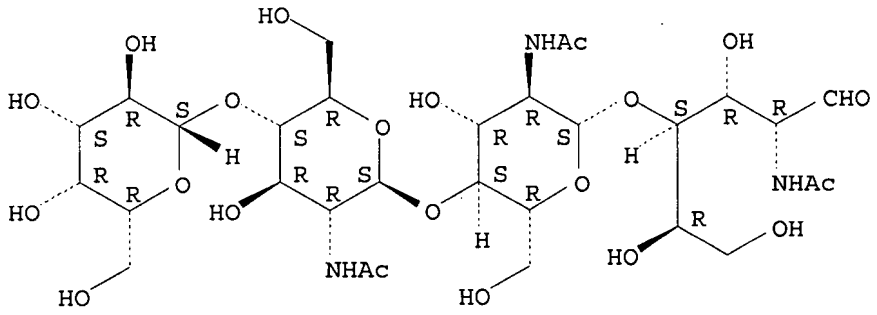
ACCESSION NUMBER: 1998:552279 CAPLUS
DOCUMENT NUMBER: 129:231079
TITLE: Synthesis and functions of a glycopolymer carrying Galβ1→4(GlcNAc)3 tetrasaccharide
AUTHOR(S): Kobayashi, Kazukiyo; Kamiya, Shoko; Matsuyama, Minoru; Murata, Takeomi; Usui, Taichi
CORPORATE SOURCE: Graduate School of Engineering, Nagoya University, Nagoya, 464-8603, Japan
SOURCE: Polymer Journal (Tokyo) (1998), 30(8), 653-658
CODEN: POLJB8; ISSN: 0032-3896
PUBLISHER: Society of Polymer Science, Japan
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Tetrasaccharide Galβ1→4(GlcNAc)3 was synthesized from N,N',N''-triacetylchitotriose (GlcNAc)3 and lactose using transglycosylation with a β-D-galactosidase from Bacillus circulans. The reducing terminal of Galβ1→4(GlcNAc)3 was oxidized and connected to p-vinylbenzylamine via amide linkage, and the resulting oligosaccharide-substituted styrene monomer was polymerized with the radical initiator, 2,2'-azobis(2-amidinopropane) dihydrochloride at 60°C. Glycopolystyrene was found to bind strongly with wheat germ agglutinin and tomato (Lycopersicon esculentum) agglutinin by inhibition of hemagglutination and double diffusion.

IT **83143-51-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate for monomer; synthesis and agglutinin binding of glycopolystyrene carrying Galβ1→4(GlcNAc)3 tetrasaccharide)

RN 83143-51-5 CAPLUS
CN D-Glucose, O-β-D-galactopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- (9CI) (CA INDEX NAME)

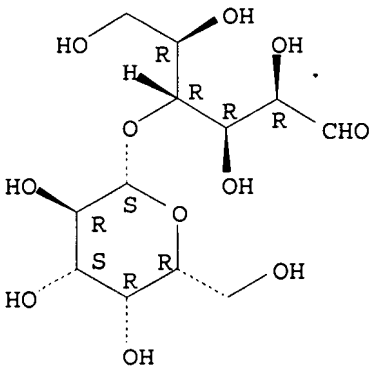
Absolute stereochemistry.



IT **63-42-3**, Lactose
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material for monomer; synthesis and agglutinin binding of glycopolystyrene carrying Galβ1→4(GlcNAc)3 tetrasaccharide)

RN 63-42-3 CAPLUS
CN D-Glucose, 4-O-β-D-galactopyranosyl- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



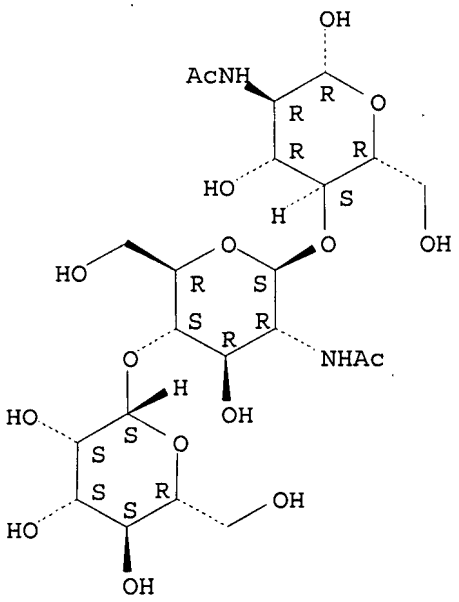
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:701191 CAPLUS
DOCUMENT NUMBER: 121:301191
TITLE: Enzymic synthesis of the trisaccharide core region of the carbohydrate chain of N-glycoprotein
AUTHOR(S): Usui, Taichi; Suzuki, Masahiro; Sato, Toshinari; Kawagishi, Hirokazu; Adachi, Kyoko; Sano, Hiroshi
CORPORATE SOURCE: Fac. Agric., Shizuoka Univ., Shizuoka, 422, Japan
SOURCE: Glycoconjugate Journal (1994), 11(2), 105-10
CODEN: GLJOEW; ISSN: 0282-0080
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 121:301191

AB Transmannosylation from mannotriose (Manβ1-4Manβ1-4Man) to the 4-position at the nonreducing end N-acetylglucosaminyl residue of N,N'-diacetylchitobiose was regioselectively induced through the use of β-D-mannanase from Aspergillus niger. The enzyme formed the trisaccharide Manβ1-4GlcNAcβ1-4GlcNAc (3.7% of the enzyme-catalyzed net decrease of N,N'-diacetylchitobiose) from mannotriose as a donor and N,N'-diacetylchitobiose as an acceptor. Mannobiose (Manβ1-4Man) was also shown to be useful as a donor substrate for the desired trisaccharide synthesis.

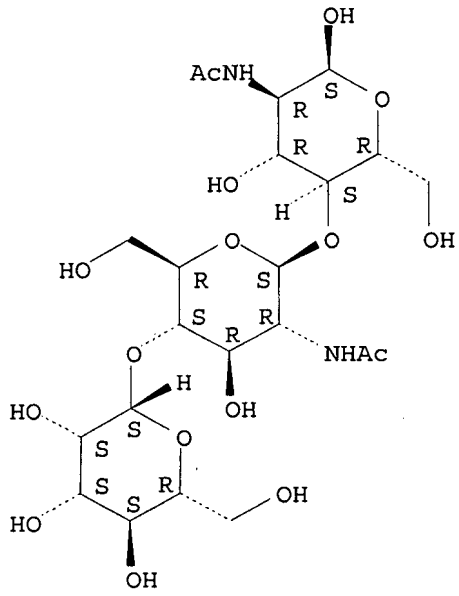
IT **159266-33-8P 159266-34-9P**
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(mannanase regioselective transmannosidation of oligosaccharides)
RN 159266-33-8 CAPLUS
CN β-D-Glucopyranose, O-β-D-mannopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- (CA INDEX NAME)

Absolute stereochemistry.



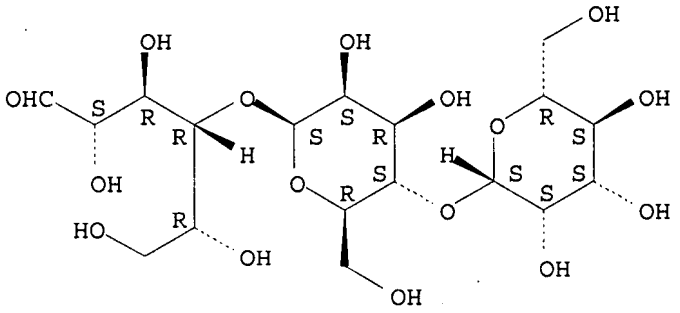
RN 159266-34-9 CAPLUS
CN α-D-Glucopyranose, O-β-D-mannopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- (CA INDEX NAME)

Absolute stereochemistry.



IT **28173-52-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(mannanase regioselective transmannosidation of oligosaccharides)
RN 28173-52-6 CAPLUS
CN D-Mannose, O-β-D-mannopyranosyl-(1→4)-O-β-D-mannopyranosyl-(1→4)- (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:57579 CAPLUS
DOCUMENT NUMBER: 116:57579
TITLE: Oligosaccharide compositions and their manufacture with β-galactosidase
INVENTOR(S): Usui, Yasuichi; Sakai, Kazuo; Katsumi, Ryosuke; Nanjo, Fumio; Ishikawa, Masato
PATENT ASSIGNEE(S): Yaizu Suisan Kagaku Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

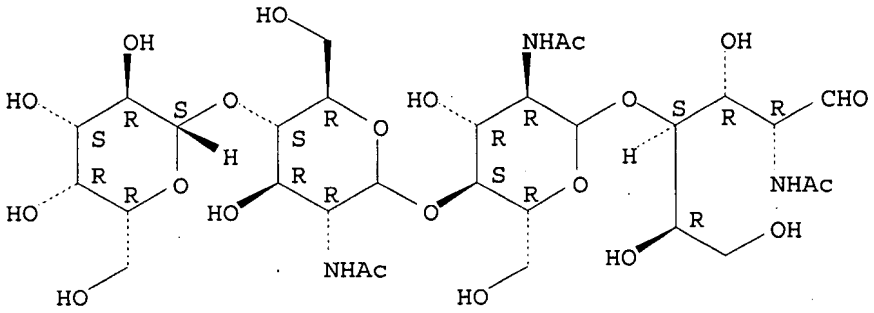
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03175990	A	19910731	JP 1989-314333	19891205
JP 2927845	B2	19990728		

PRIORITY APPLN. INFO.: JP 1989-314333 19891205

AB Oligosaccharide compns. containing Galβ(1→4)[GlcNAc]n (I; Gal = galactose residue; GlcNAc = N-acetylglucosamine residue; n = 2-6) are manufactured by treating lactoses and N-acetyl chitooligosaccharides with β-galactosidase. The compns. are useful as bifidus factors. An aqueous solution containing 0.9 g lactose and 2.1 g di-N-acetylchitobiose was treated with Biolacta (β-galactosidase from Bacillus circulans) at 30° for 30 h to produce I (n = 2).

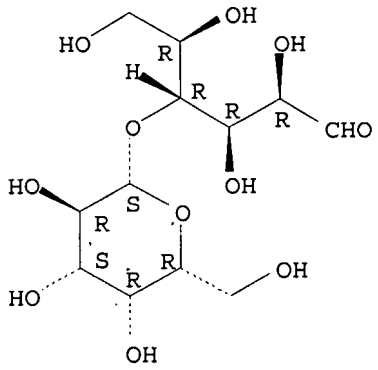
IT **138661-71-9P**
RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)
(manufacture of, with β-galactosidase, from lactoses and acetylchitooligosaccharides)
RN 138661-71-9 CAPLUS
CN D-Glucose, O-β-D-galactopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- (CA INDEX NAME)

Absolute stereochemistry.



IT **63-42-3**, Lactose
RL: BIOL (Biological study)
(oligosaccharide compns. manufacture from acetylchitooligosaccharides and, with β-galactosidase)
RN 63-42-3 CAPLUS
CN D-Glucose, 4-O-β-D-galactopyranosyl- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.02	539.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-3.12

FILE 'STNGUIDE' ENTERED AT 10:25:28 ON 16 NOV 2007

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Nov 9, 2007 (20071109/UP).

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.72	540.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.12

STN INTERNATIONAL LOGOFF AT 10:32:35 ON 16 NOV 2007